



AIRCREW LIFE SUPPORT (ALS) PROGRAM

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

NOTICE: This publication is available digitally on the AFDPO/PP WWW site at:
<http://afpubs.hq.af.mil>.

OPR: 60 OSS/OSOL
(SMSgt Linda M. Bloomer)

Certified by: 60 OG/CC (Colonel Paul M. Selva)
Pages: 8
Distribution: F

AMCI 11-301, 1 August 1997, is supplemented as follows:

1.2. (Added) Supplements:

1.2.1. Units will submit proposed supplements to 60 OSS/OSOL for addition/deletion to this publication.

1.5. (Added) Communications:

1.5.1.1. Direct communication with air logistics centers, depots, item managers, contractors, systems programs offices or other MAJCOM staff agencies is not authorized without prior approval and coordination with the wing superintendent and HQ AMC/DOTL. The wing superintendent or designated representative will establish all communications with HQ AMC/DOTL.

1.6. (Added) Messages:

1.6.3.1. When sending messages or letters requiring action by 60 AMW or HQ AMC/DOTL, coordinate documents through 60 OSS/OSOL.

2.4.5. (Added) Life Support Officer (LSO) and Superintendent:

2.4.5.1. The Wing ALS program is the responsibility of the Wing LSO (if one is appointed) and superintendent who are aligned under the 60th Operations Support Squadron. This office is part of the wing's management staff which provides overall functional oversight of the centralized strategic airlift and tanker ALS units on issues dealing with the wing's mission.

2.4.6. (Added) Flight Chief/NCOIC:

2.4.6.3.12. Ensure AF Form 2047, Explosives Facility License is re-accomplished when there is a change of the Squadron Commander, quantity changes to license or license expiration.

2.5. (Added) AMC ALS Key Process:

2.5.1.1. Travis AFB ALS Key Processes. Establish a management program at each ALS section (airlift and tanker) with an indexed log identifying locations of all processes. This indexed log will contain as a

minimum: workcards, checklists, Operational Instructions (OI), open and closed local, Computer-Generated Routing, and Review of Quality Control Reports. Maintain a master management program in the wing ALS office. The wing superintendent reviews the program during the annual Wing Staff Assistance Visit (SAV) and five (5) months prior to the scheduled HQ AMC/DOTL Site Visit.

2.5.2.2. Technician Training Program:

2.5.2.2.1. The Wing superintendent will review the airlift and tanker Master Job Qualification Standards during the annual SAV.

2.5.2.2.4. NCOICs of KC-10 units will document AF Form 623A, On-The-Job Training Record Continuation Sheet, to identify task trainers for the removal and installation of Chemical Oxygen Generator System. Entries will include initial task certification signature from Electrical-Environmental and unit trainer.

2.5.2.2.5. Document task evaluations for recurring training requirements on AF Form 803, Report of Task Evaluation, or AF Form 2419, Routing and Review of Quality Reports. Maintain the result of the most current task evaluation for each recurring training event.

2.5.2.2.1.5.1. All ALS shops (airlift and tanker) will establish an orientation tour lesson plan that will consist of a tour and explanation of all shop activities, airlift, tanker, wing ALS activities, and a supplemental tour of appropriate base agencies (i.e., commissary, munitions storage, and hospital supply). Newly assigned individuals will complete the First Term Airman's Center Training (FTAC) before assignment to their duty section.

2.5.2.3. Unit Self-Assessment (USA) Program:

2.5.2.3.1. The wing superintendent will conduct annual SAV during the month of October. Unit NCOICs will prepare for the visit IAW AMCI 11-301, Paragraph 2.5.2.3.6.1.

2.5.2.4. Quality Improvement (QI) Program:

2.5.2.4.1. Unit NCOICs are responsible for the development, implementation, and effectiveness of the QI program. Semi-annual USA will be conducted using the HQ AMC/DOTL USA Guide, 60 AMW Wing ALS Quality Assessment Checklist or locally developed checklist, and Technical Order Options List. USAs will be conducted during the months of March and August. Forward results to the wing office within 30 days of completion.

2.6. (Added) Life Support Quality Council:

2.6.3. This council is designed to review and take courses of action on problems associated with ALS operations and for introduction of new or modified LSE. A council meeting will meet semi-annually and convene as needed, at any level and may task appropriate agencies to correct deficiencies affecting the ALS program. Unit NCOICs will forward concerns to wing ALS office to be addressed during the next scheduled meeting.

2.7. (Added) Administration and Local Directives:

2.7.1. NCOICs will review unit directives during the month of October and forward them to the wing superintendent for review, coordination, and approval. The superintendent will ensure standardized procedures are established to the maximum extent possible within the wing. NCOICs must ensure all ALS personnel review local directives annually.

2.7.5. (Added) ALS (airlift and tanker) will maintain the computer-generated AFTO Forms 46.

2.7.5.1. Make an AFTO Form 781A, Maintenance Discrepancy and Work Document, entry for missing equipment. Annotate the AFTO Form 46, Prepositioned Life Support Equipment, and ensure location is entered above the check number of that column. Replace missing equipment before mission continuation and notify the wing superintendent/LSO.

2.7.6. (Added) Aircrew Life Support Annual Awards Program:

2.7.6.1. 60 AMW ALS Annual award packages are due to the wing superintendent/LSO by 1 November to ensure the packages meet the OG suspense of 15 November. To ensure quality submissions, units must route the packages through their unit recognition office or orderly room prior to submitting to the wing ALS office.

2.7.6.2. Each unit will submit inputs for the Annual Aircrew Life Support Team of the Year Award to the wing superintendent/LSO by 1 November.

2.7.6.3. The wing superintendent/LSO is responsible for setting up a board to rate the annual packages. The board must meet during the first week of November and the winning packages must be forwarded to the OG recognition office by 15 November. Each unit is responsible for contributing to the cost of wing plaques. The wing superintendent/LSO will order the plaques.

2.8. ALS Facilities and Hygiene:

2.8.7.1. Use latex rubber or 100% nitrile rubber gloves during the pre-flight, post-flight, and periodic inspection and cleaning of oxygen masks. Nitrile gloves can be purchased through Lab Safety Supply general catalog.

2.9.4. (Added) Resource Protection:

2.9.4.1. The strategic airlift ALS facility at Travis AFB, Building 1212 will be a "Controlled Access" area. All KC-10 shops will be a "Limited Access" area.

3.2.6. (Added) Supply Accounts:

3.2.6.3. NCOICs will conduct periodic inventories using 60th AMW Operating Instruction 23-02, *Equipment Inventories*.

3.3. (Added) Equipment Authorizations:

3.3.1. Airlift and tanker units will use the *Air Force Equipment Management System*, (AFEMS) in conjunction with publications outlined in AMCI 11-301, Paragraph 3.3.1. Units will comply with procedures outlined in 60th AMW Operating Instruction 23-02 and AMCI 11-301, Paragraph 3.2.6. to validate authorizations quarterly.

3.4.16. (Added) Aircraft-Installed LSE Procedures:

3.4.16.1. Aeromedical evacuation crewmembers (AECM) assigned to Travis do not have their own personal masks. 349th AMW units will send a designated runner to pick up AECM masks from Building 1212 prior to a mission.

3.4.16.2. C-5 units without a documented airdrop mission, ALS will maintain an appropriate number of personnel parachutes and life preservers to support 25 percent of total aircraft inventory (TAI) multiplied by crew complement in support of AMC's "GLOBAL REACH" mission. To determine the amount required by C-5, units apply the following formula: total aircraft supported (TAI), times 25% of TAI (number of aircraft x .25), times crew complement (8), plus 10% spares (one complete set) = total para-

chutes required. Eight parachutes will be pre-positioned on the aircraft, six will be installed in the crew area and two will be installed in the troop compartment.

3.4.16.4. Ensure all LSE inspections remain current throughout the scheduled mission duration. Ensure aircraft LSE will have a minimum of 60 days remaining on its current repack and inspection when departing home-station for tanker task force operations, integrated tanker unit deployments (ITUD), and 30 days for channel missions, business efforts, aircraft transfers, etc. Transfer aircraft IAW T.O. 00-20-1, *Preventive Maintenance Program General Policy Requirements and Procedures*.

3.4.16.5. KC-10 aircraft scheduled for PDM (C-Check) will depart and return to home-station with the following equipment:

- 10 ea. Quick-don Oxygen Mask and Smoke Goggles
- 3 ea. Emergency Passenger Oxygen Mask, P/N 289-602-6
- 2 ea. Emergency Passenger Oxygen Mask, P/N 289-602-205
- 16 ea. Emergency Passenger Oxygen Mask, P/N 289-602-232
- 10 ea. Adult-Child Life Preservers
- 1 ea. Auxiliary Survival Kit

3.4.16.6. It is the responsibility of the aircraft commander or designated representative to notify tanker ALS sections when the crew/passenger complement is larger than ten (10) personnel to provide extra equipment as needed.

3.5. (Added) Equipment Redistribution:

3.5.1.1.1. Try to redistribute excess assets within the wing. If excess LSE equipment is still available, e-mail or transmit a message to all AMC superintendents with an information copy to HQ AMC/DOTL (as per Attachment 6, of AMCI 11-301). Include equipment type, NSN, and excess quantity. Request action addressees respond within 30 days. To enhance visibility of excess assets throughout the ALS community, HQ AMC/DOTL will post available items on the command website at www.amc.af.mil/do/dot/dotl/home.html. Units are encouraged to periodically screen this site as a source to fulfill shortfalls within the unit.

3.6.7. (Added) Transfer of LSE:

3.6.7.1. Airlift aircrew members ferrying aircraft to depot for maintenance will pick up and sign a hand receipt for survival vests. Refer to 60 AMW Wing Operations Plan (WOP) for specific issuing details.

3.6.7.2. 60 OSS ALS section will pick up, inspect, and deliver LSE to/from the C-5 flight simulator facility.

4.2. Responsibilities:

4.2.3. Crew Members:

4.2.3.1. C-5 squadrons will designate a runner to pick up D-bags from the Chemical Defense Section, Building 83. The designated individual will sign for D-bags on an AF Form 1297, Temporary Issue Receipt. Squadrons will ensure adequate processes are implemented to assign responsibility upon issue to

individual crew members prior to a mission. Aircrews are required to preflight chemical defense equipment IAW AMCI 11-301, paragraph 4.4.1.3.

4.2.3.2. Ensure prompt turn in of D-bag no later than *30 days* upon completion of an exercise or contingency. ALS will forward to Squadron Commanders a list of personnel who have not returned D-bags to Building 83. This will ensure assets are available for ALS personnel to perform periodic inspections and maintenance IAW applicable technical orders and AFMAN 23-110, Volume 4, Part 1.

4.3. Aircrew Helmets and Oxygen Mask:

4.3.4.1. (Added) KC-10 ALS units will remove and install quick-don masks and goggles when they require inspection or maintenance. Disassemble and clean masks every 90 days concurrent with A-Checks and C-Checks, programmed depot maintenance (PDM) IAW T.O. 1C-10(K)A-2-35, *Oxygen USAF Series KC-10A Aircraft*, and 1C-10(K)A-6WC-5-1, *Calendar Time and SSI Inspection Workcard, Part 1*. No repairs on 358-1390V-3 quick-don oxygen mask are authorized. Return all masks that are damaged or failed inspection to, Contract Operated and Maintained Base Supply (COMBS) for repairs or replacement. NCOIC's will be responsible for establishing a tracking system to identify all turn-ins and requisitions of equipment. Inspect passenger drop-down oxygen mask IAW T.O. 1C-10(K)A-6WC-5-1, and coincide with scheduled A-Check and C-Check PDM.

4.3.4.2. (Added) On the KC-10 aircraft, protective-breathing equipment (PBE) will be kept on the floor of the coat closet in the cockpit and under the observer's seat in the Air-Refueling Operator's Pod.

4.3.4.3. (Added) 60 OSS ALS will maintain a pool of 125 helmets, aircrews assume responsibility for purchasing their liners. ALS will fit crewmembers prior to deployments when the use of parachutes has been directed.

4.3.4.4. (Added) Aircrews will retain accountability for their fitted Thermal Plastic Liner (TPL). ALS will store the helmet shell that will be placed in serviceable storage until required.

4.3.4.5. (Added) 60 OSS ALS Oxygen Section will maintain a pool of 125 helmets and oxygen masks for use during contingencies. These items are required for bailout when wearing the back style parachute.

4.3.4.6. (Added) 60 OSS ALS will maintain a pool of 80 AWACS masks for use by AECMs. They will be loaded on aircraft according to mission requirements.

4.4.1. (Added) Aircrew Requirements/Responsibilities:

4.4.1.4. (Added) Squadrons will forward a copy of crew orders to the Chemical Defense Section immediately upon identification of crewmembers tasked to fly in a chemical threat environment. This will ensure sufficient time to build up D-bags prior to a crewmember's legal-for-alert time.

4.4.1.5. (Added) C-5 squadrons will designate a runner to pick up and sign for D-bags from Building 83, Chemical Defense Section.

4.4.1.6. (Added) Flying squadrons will ensure adequate control procedures are implemented for accountability and control of D-bags once in their possession.

4.4.1.7. (Added) Squadrons will ensure prompt turn in of D-bags upon completion of an exercise or contingency.

4.4.1.8. (Added) Recommend each (strategic airlift) squadron assign a mobility NCO/officer to act as a liaison between ALS and the flying unit for issues regarding D-bag issue and accountability. This individual should be responsible for implementing adequate control procedures and be prepared to identify losses

and/or missing equipment upon termination of an exercise or contingency for prompt submission of Reports of Survey, as required.

4.4.1.9. (Added) Flying squadrons are encouraged to establish funding of an additional pair of Nomex flight gloves for each assigned crewmember to accommodate wear over cotton and butyl rubber gloves in a chemical environment. In general, flight gloves should be at least one size larger than normal to ensure proper fit.

4.4.1. Aircrew Requirements/Responsibilities:

4.4.1.4. (Added) Flying units will send a copy of flight orders to ALS 24 hours before scheduled departure.

4.4.2.2. All aircrews assigned to 60 AMW will have a D-bag containing one operational ensemble and one training ensemble maintained at ALS. Use mask and filter packs for both operational and training purposes. All aircrews assigned to the 60 AMW will have a filter pack in their D-bag for training exercises. Aircrews will come by ALS building to pick up any training equipment they may need. KC-10 units will maintain sufficient training bags for all flying personnel to include associate reserve squadrons. 60 OSS ALS shall build training bags as requested by the flying squadrons.

4.4.3.4. Filter Element Replacement Procedures:

4.4.3.4.5. Replace filter elements every two years if vacuum packed.

4.6.8. (Added) Vacuum Sealing Procedures:

4.6.8.1. In order to standardize unit procedures, the following guidelines are authorized for vacuum-packing LSE tanker and airlift units. KC-10 units are authorized to vacuum-pack one complete set of the following equipment in the Mini-D bag:

2 pr. butyl rubber gloves w/inserts

1 pr. nomex flying gloves

1 ea. undershirt

1 ea. undershorts

1 ea. HGU-41/P hood

*2 pr. overboots

*2 ea. overcapes

* Items will be vacuum-packed separate from other items in Mini-D bag.

4.6.8.2. Remaining items vacuum-packed in main Aircrew Chemical Defense bag will be individually sealed. Units may elect to label all vacuum-packed containers with a locally controlled lot number identified by squadron supply account, followed by a number system (e.g., 656C/W-1, 656C/W-2, etc.) IAW AMCI 11-301, Paragraph 4.6.6. The Automated Life Support Equipment Records Tracking System (ALERTS) will assign this number automatically to comprise the barcode identifier.

4.6.8.3. 60 OSS ALS is authorized to vacuum-pack one complete set of the following equipment in the Mini-D bag:

2 pr. butyl rubber gloves w/inserts

1 ea. undershirt

1 ea. undershorts

1 ea. HGU-41/P hood

*2 pr. overboots

*2 ea. overcapes

* Items will be vacuum-packed separate from other items in Mini-D bag.

4.6.8.4. Remaining items vacuum-packed in main Aircrew Chemical Defense bag will be individually sealed. Label all vacuum-packed containers with a locally controlled lot number identified by squadron supply account, followed by a number system (e.g., 280C/W-1, 280C/W-2, etc.) IAW AMCI 11-301, Paragraph 4.6.6.

4.8. (Added) Life Preservers:

4.8.1. Infant Cots (LPU-6/P). KC-10 ALS units will maintain a minimum of four infant cots (LPU-6/P) per aircraft and they will be stored in the life raft compartment of the aircraft. When the requirement exists for increased quantities, the ALS unit will provide additional equipment to support mission requirements.

4.8.2. Life Preservers. KC-10 ALS units will track the inspection of all adult-child life preservers on the aircraft. A visual inspection will be done every 30 and 90 days IAW T.O. 1C-10(K)A-6WC-5-1. Inspect adult-child life preservers in the Increased Accommodation Kits every 90 days to coincide with the scheduled inspection. Return all life preservers that are damaged, failed inspection, or have less than sufficient service life to COMBS for replacement. NCOICs are responsible for establishing a tracking system to identify turn-in and requisition of equipment.

4.9. (Added) Survival Vests (SRU-21/P and Air Ace):

4.9.1. 60 OSS ALS will maintain a pool of 328 survival vests for contingency purposes. This equipment will be loaded on unit aircraft as directed.

4.9.2. KC-10 units equipped with the Air Ace survival vests, will have the minimum survival items listed in AMCI 11-301, dated 1 July 94, Attachment 2. Additional items installed are at the option of the unit commander. Additionally, to ensure standardization between ALS functions; units will forward documentation on all additional items installed in survival equipment to Wing ALS superintendent for review.

4.10. (Added) Anti-Exposure Suits:

4.10.1. KC-10 ALS units will maintain a minimum of four suits per aircraft and spare equipment authorized in *AFEMS* and Allowance Standard 450, *Personnel/Life Support Equipment*.

4.13. (Added) Aircrew Restraint Harnesses:

4.13.1. (Added) 60 OSS ALS removes the regular restraint harness (RH) kit when the aircraft goes to depot and replaces it with a depot RH kit which contains only one harness.

4.14. (Added) Parachutes:

4.14.1. 60 OSS ALS will maintain a pool of parachutes for use during contingency operations.

5.7. (Added) Course Descriptions:

5.7.1.3. Flying squadrons may refer to the WOP for current course schedules and student requirements. Units may also obtain up-to-date course information from the 60 OSS website at <http://132.33.192.11/oss.ost/Gnd.training.htm>.

6.4. Deployment Operations/Mobility Preparation:

6.4.1.3. Units will ensure mobility deployment packages are maintained IAW standard LOGDETs for each Unit Task Code (UTC), and the following list of publications: AFMAN 10-401, AMCI 10-401, AMCI 10-403, AMCI 11-301 and AFI 11-302, Volume 1, (forthcoming) with sufficient quantities of LSE technical data, equipment repair parts, and supplies to support surge-type operations under bare base operations for 90 days without re-supply.

6.6. Aircrew Chemical Defense:

6.6.6. (Added) Travis units possess the capability to set up and operate an Aircrew Contamination Control Area (ACCA). To meet this goal, each unit will procure and maintain an ACCA. Each unit is responsible to stand-alone. Units will be responsible for demonstrating ACCA capabilities during Commanders Readiness Exercise (CRE), and Mobility Exercises (MOBEX). Responsibility will rotate between squadrons for each exercise.

6.7. ALS STAFFING:

6.7.2. A 5-skill level Red-X certified senior airman may be deployed when three (3) aircraft or less are tasked. Ensure selected individuals are certified IAW AMCI 11-301, paragraph 2.4.6.3.2.

ARTHUR M. PACKARD, Col, USAF
Director, Wing Staff